

FIG. 1

- 10 SECURE MEMORY CARD
- 20 CONTROL SECTION
- 30 INTERNAL CPU
- 41 INTERNAL NONVOLATILE MEMORY
- 50 LARGE-CAPACITY NONVOLATILE MEMORY
- 51 SECURE AREA
- 52 AUTHENTICATION AREA
- 53 NON-AUTHENTICATION AREA
- A. COMMUNICATIONS
- B. ACCESSABLE
- C. ACCESSABLE AFTER AUTHENTICATION
- D. UNCONDITIONALLY
- E.
- SECURITY
- HIGH
- MEDIUM
- LOW
- NONE

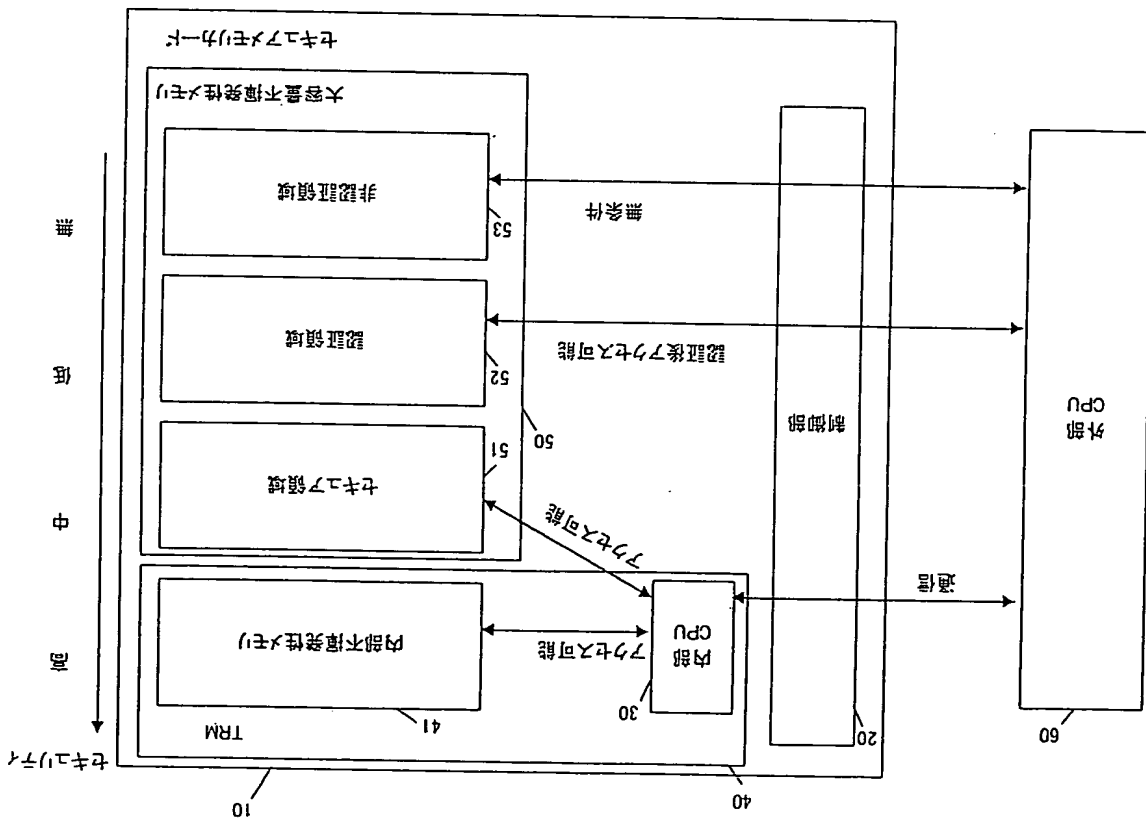


FIG. 2

- 10 SECURE MEMORY CARD
- 11 IC SECTION
- 12 I/F SECTION
- 13 IC COMMAND PROCESSING SECTION
- 14 FILE MANAGEMENT SECTION
- 15 IC AUTHENTICATION SECTION
- 16 MEMORY MANAGEMENT SECTION
- 17 ENCRYPTION AND DECRYPTION CIRCUIT
- 18 INTERNAL NONVOLATILE MEMORY I/F SECTION
- 41 INTERNAL NONVOLATILE MEMORY
- 20 CONTROL SECTION
- 21 DATA I/F SECTION
- 22 COMMAND I/F SECTION
- 23 CONTROL AUTHENTICATION SECTION
- 24 CONTROL COMMAND PROCESSING SECTION
- 25 ACCESS CONTROL SECTION
- 26 LARGE-CAPACITY NONVOLATILE MEMORY I/F SECTION
- 50 LARGE-CAPACITY NONVOLATILE MEMORY
- 51 SECURE AREA
- 52 AUTHENTICATION AREA
- 53 NON-AUTHENTICATION AREA
- 54 ADDRESS INFORMATION MANAGEMENT AREA
- 69 R/W Unit

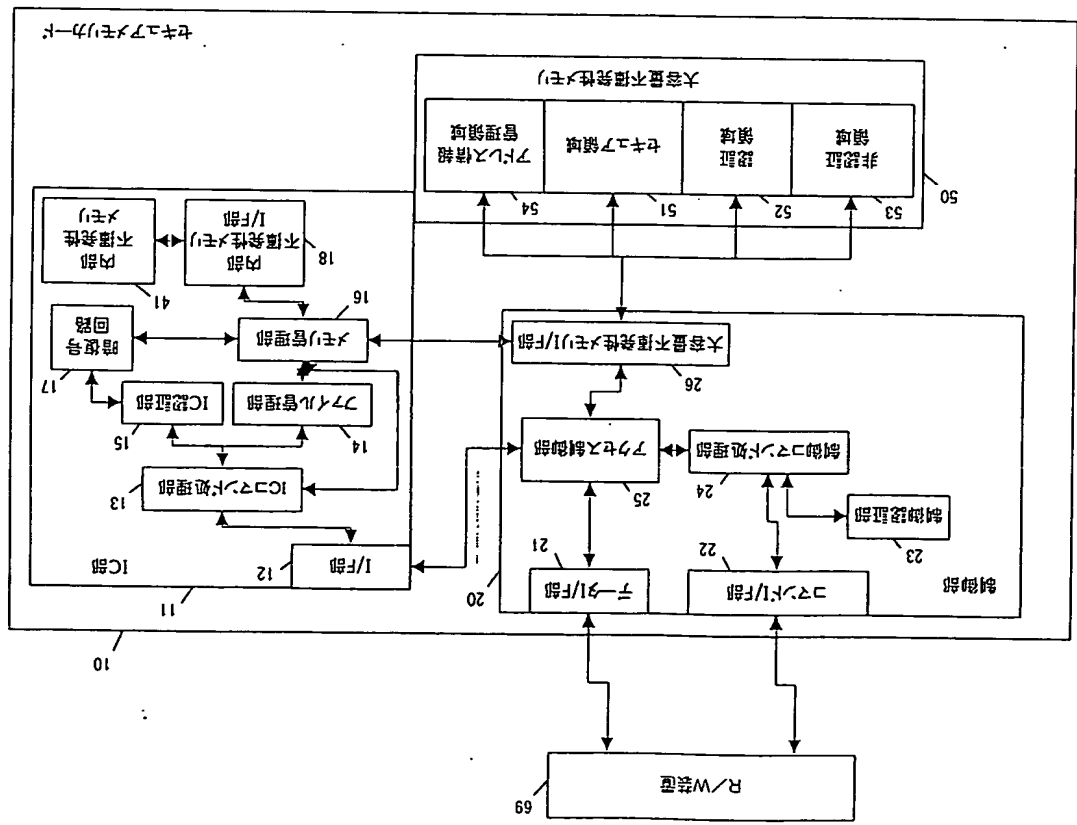


FIG. 3

- 10 SECURE MEMORY CARD
 91 CHARGE TERMINAL
 92 CHARGE SERVER
 93 PAYMENT SERVER
 94 DELIVERY SERVER
 A. MUSIC DL
 B. PAYMENT PROCESSING
 C. CHARGE PROCESSING
 D. PERSONAL IDENTIFICATION NUMBER CHECK

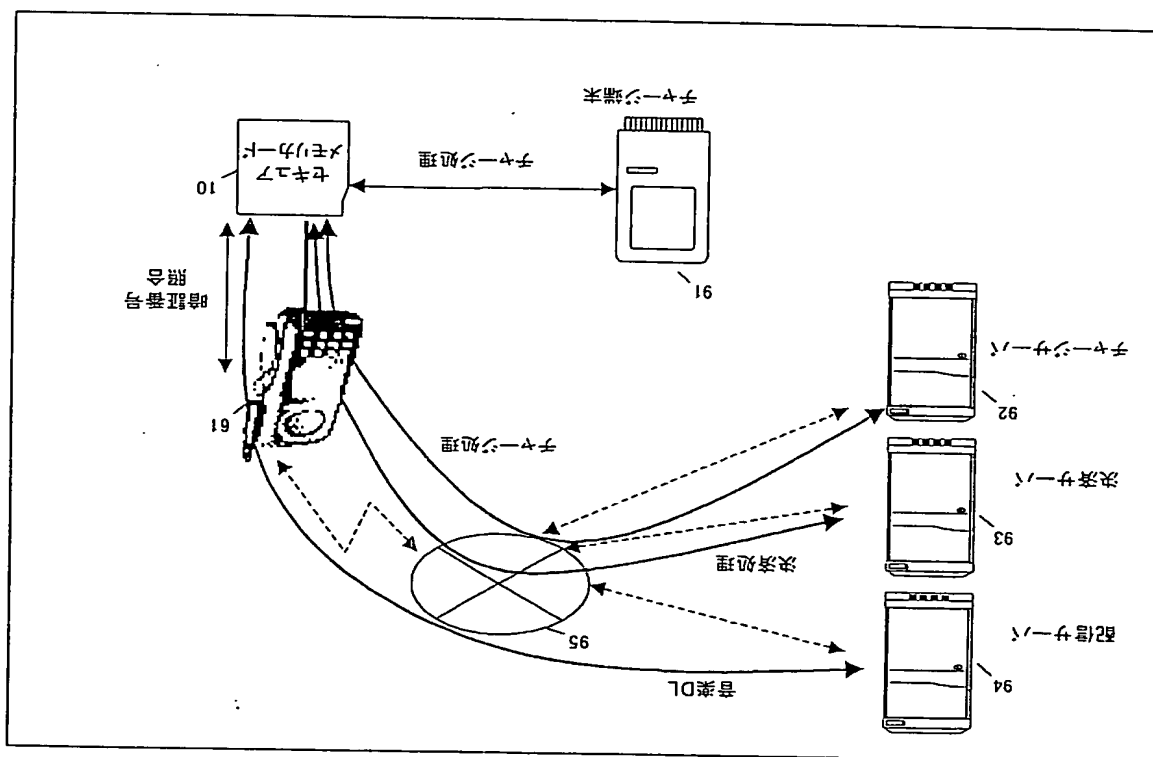


FIG. 4

- 10 SECURE MEMORY CARD
- 64 LIQUID CRYSTAL DISPLAY SECTION
- 65 WIRELESS COMMUNICATION SECTION
- 66 OPERATION BUTTON
- 67 CARD I/F SECTION
- 68 AUTHENTICATION CIRCUIT
- 621 COMMAND GENERATION PROGRAM
- 622 AUTHENTICATION KEY GROUP

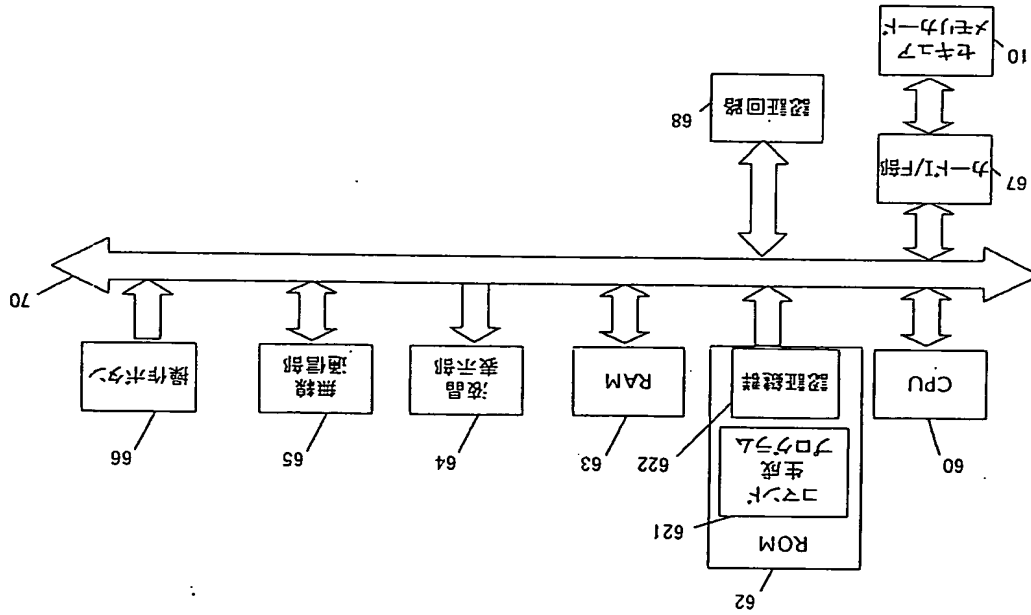


FIG. 5

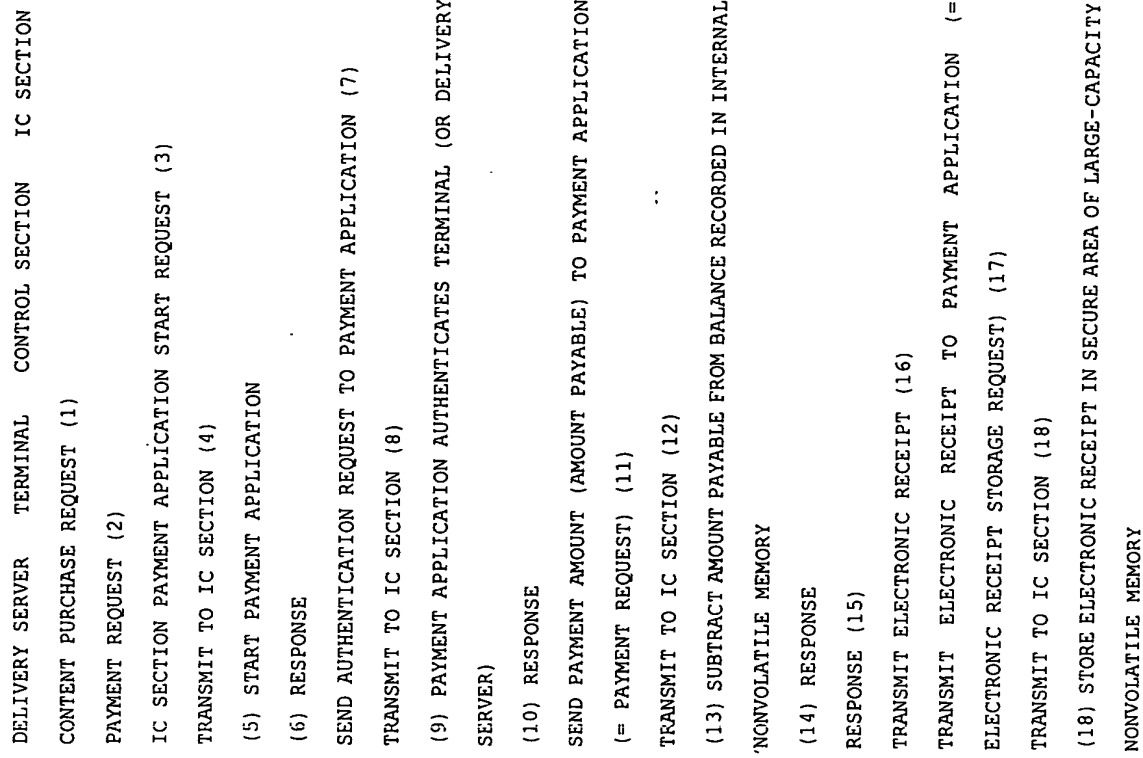


FIG. 6

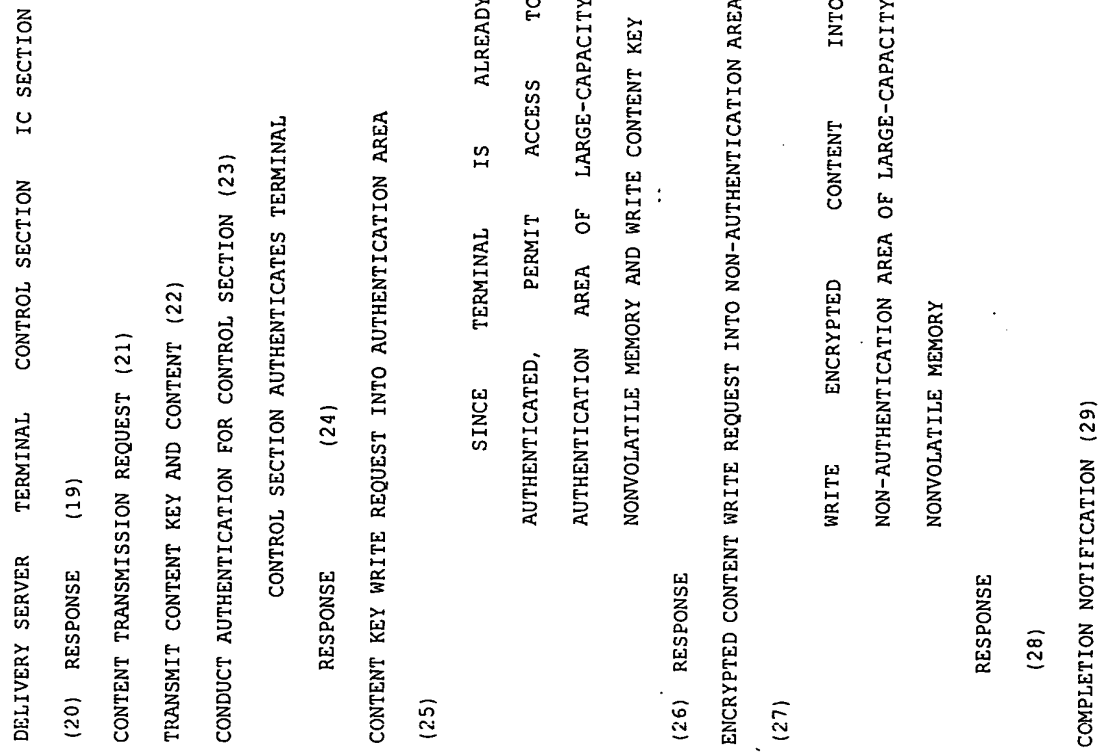
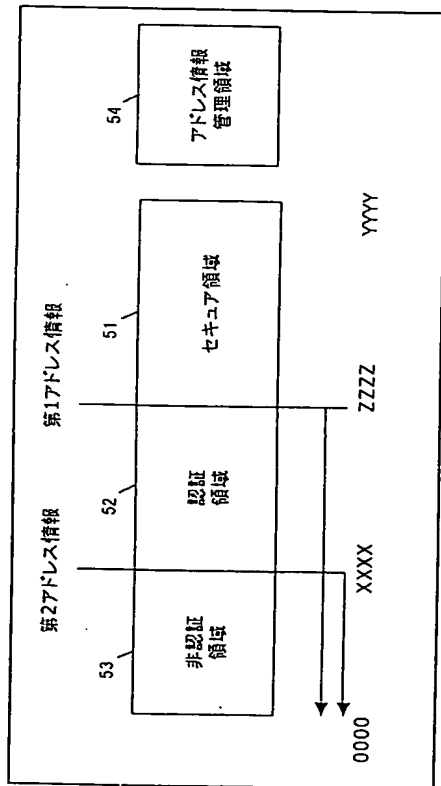


FIG. 8



SECOND ADDRESS INFORMATION FIRST ADDRESS INFORMATION

53 NON-AUTHENTICATION AREA

52 AUTHENTICATION AREA

51 SECURE AREA

54 ADDRESS INFORMATION MANAGEMENT AREA

FIG. 9

NON-AUTHENTICATION AREA AUTHENTICATION AREA SECURE AREA
LOGICAL BLOCK NO. PHYSICAL BLOCK NO. LOGICAL BLOCK NO.

EQUIVALENT EQUIVALENT EQUIVALENT

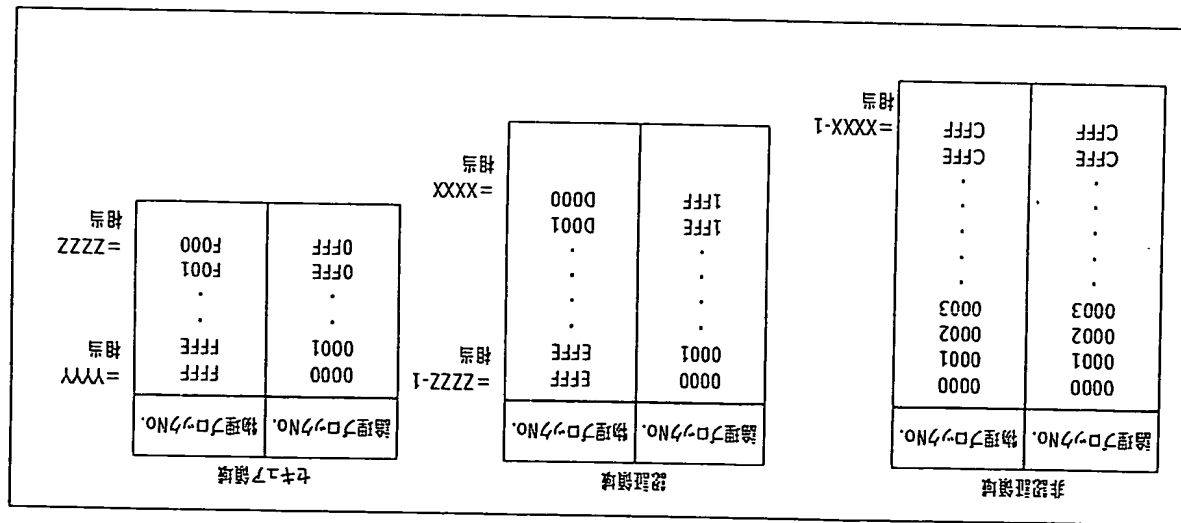


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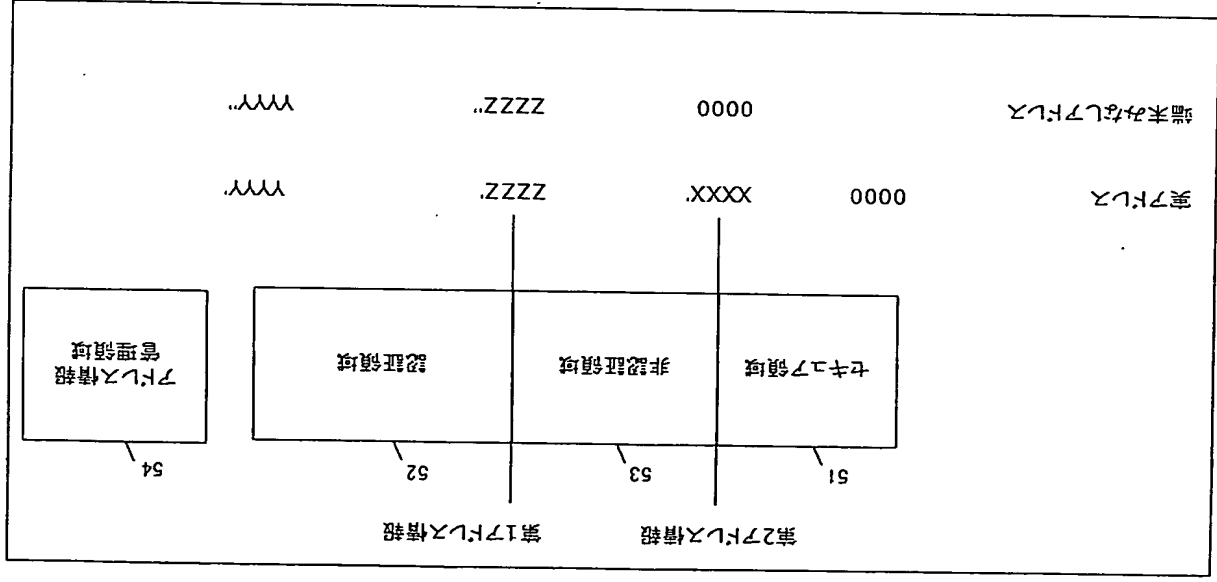


FIG. 10

SECOND ADDRESS INFORMATION FIRST ADDRESS INFORMATION

51 SECURE AREA

53 NON-AUTHENTICATION AREA

52 AUTHENTICATION AREA

54 ADDRESS INFORMATION MANAGEMENT AREA

REAL ADDRESSES

TERMINAL ASSUMED ADDRESSES

FIG. 11

SECOND ADDRESS INFORMATION FIRST ADDRESS INFORMATION

51 SECURE AREA

53 NON-AUTHENTICATION AREA

52 AUTHENTICATION AREA

54 ADDRESS INFORMATION MANAGEMENT AREA

REAL ADDRESSES

TERMINAL ASSUMED ADDRESSES

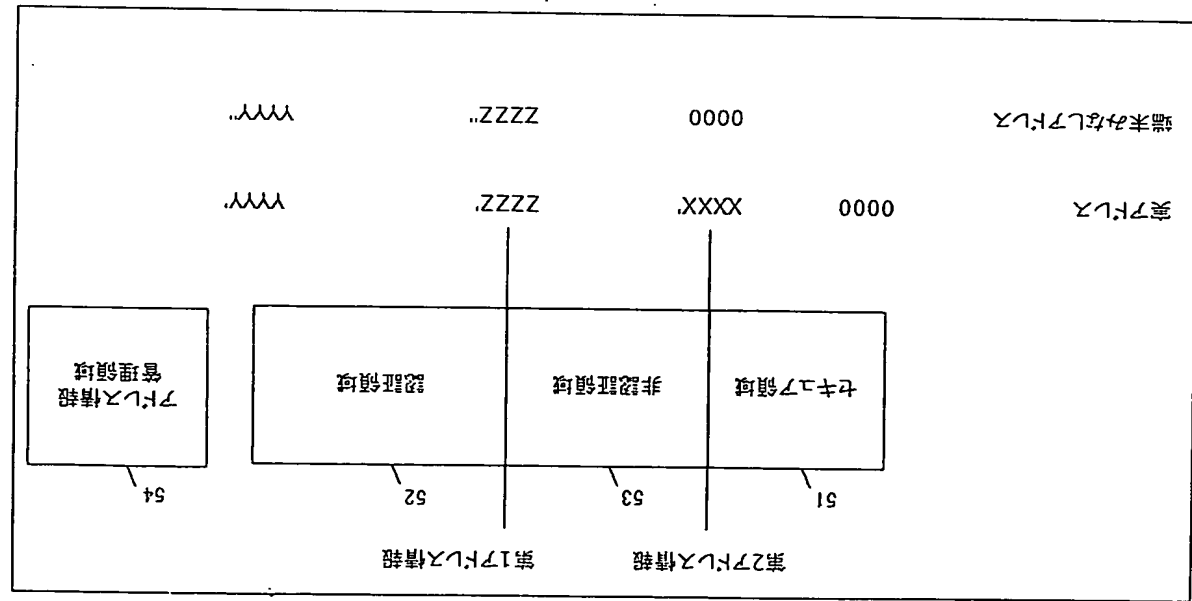


図 11

FIG. 12

SECURE AREA NON-AUTHENTICATION AREA AUTHENTICATION AREA
 LOGICAL BLOCK NO. PHYSICAL BLOCK NO. LOGICAL BLOCK NO.

EQUIVALENT EQUIVALENT EQUIVALENT

